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*XIX Reunión Ibérica de Cápsula Endoscópica y Enteroscopia*

# Capsule Endoscopy during COVID-19 Pandemic Period readjustment of *Mirocam* protocol in a tertiary centre

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Authors: Correia J, Ponte A, Silva JC, Gomes C, Afecto E, Rodrigues A, Pinho R, Carvalho J  
Centro Hospitalar de Vila Nova de Gaia/Espinho, EPE – Vila Nova de Gaia, Portugal

# INTRODUCTION

- This study aims to compare performance measures and patient satisfaction among three different protocols of *Mirocam* capsule endoscopy (CE), one of them adapted to the COVID-19 pandemic era.

# METHODS

All elective *Mirocam* CE performed between February 2018 and September 2020 in outpatients of a Portuguese tertiary centre were included.

Three protocols were compared:

- **Protocol-A**: CE exclusively performed inside the hospital
- **Protocol-B**: CE partially performed at home after capsule swallowing and small-bowel visualization through “real-time”
- **Protocol-C**: CE partially performed at home after capsule swallowing and prokinetic administration, without performing “real-time”.

Comparison of performance measures and patient satisfaction among these protocols.

A p value < 0.05 was considered statistically significant.

# RESULTS

70 CE were included	
Protocol-A	23 (32.9%)
Protocol-B	21 (30.0%)
Protocol-C	26 (37.1%)



Median age: 62 years  
(Interquartile Range - IQR 14.2)

	Protocol-A	Protocol B	Protocol-C	
LESIONS DETECTION RATE	52.2%	47.6%	65.4%	p=0.452
RATE OF COMPLETE EXAMS	95.7%	100%	96.2%	p=1.000
RATE OF ADEQUATELY PREPARED EXAMS	65.2%	90.5%	73.1%	p=0.150
COMPLICATIONS RATE	0%	0%	3.8%	p=1.000
RATE OF SATISFIED PATIENTS	95.7%	95.2%	92.7%	p=1.000

no statistically significant differences

## DISCUSSION

- The performance measures and patient satisfaction were similar among the three protocols.
- The **readjustment of *Mirocam* CE** (Protocol C), which favors a reduction in hospital stay, appears to be a good alternative to the former protocols in this Pandemic Era.